



District 9820

R I President: Ron D. Burton  
District Governor: Tim Moore  
Assistant Governor: Brian Mellady

**ROTARY CLUB OF FRANKSTON NORTH INC**  
Chartered 7 May 1973

Web: [www.rotaryfrankstonnorth.org/](http://www.rotaryfrankstonnorth.org/)

President: Don MacDonald  
President Elect: Maureen Gillham  
Past President: Judi McKee  
Secretary: Mark Sammut  
Treasurer: Russell Cock  
Sergeant at Arms: Con Demopoulos  
Directors:  
Bill Fowler Vocational  
Eric Neill Membership  
Tony Spring Foundation  
John Tame Services  
Linda Tinney Public Relations

**Club Meetings:**

Every Wednesday at the International Motel,  
389 Nepean Hwy, Frankston - 6.00pm for 6.30pm.

**Club Contact:**

Secretary Mark Sammut  
Mob: 0433 975 500  
PO Box 132, FRANKSTON 3199

**Apologies to:**

Secretary Mark Sammut  
Mob: 0433 975 500  
Or via the Club web page

**Bulletin Editor:**

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**THE FOUR-WAY TEST**

Of all the things we think, say or do . . .

1. Is it the TRUTH?
2. Is it FAIR to all concerned?
3. Will it build GOODWILL & BETTER FRIENDSHIPS?
4. Will it be BENEFICIAL to all concerned?

**FROM PRESIDENT DON**



Our Foundation Global Grant for Tonga is being progressed this week by Tony and Carla visiting Tonga. It will be a very busy time for them as they will be meeting with RC of Nuku'alofa to discuss this project and also meeting with CEO's from the Ministries of Agriculture, Internal Affairs, and Environment. If this was not enough they will also make visits to the villages of Pea, Sopu, and Popua. Tony has also advised that we are

looking to do a second Global grant funded through the DDF from Districts 9820 and 2980. It is a project in India - more later from Tony when he gets back to Oz...

"Eyes in the Skies": we were given a presentation on Drones by Greg Tyrrell last week which was fascinating but also had more sinister implications for the future? Drones are unmanned aircraft and the technology has been developed for military purposes. With various payloads they can be deployed to perform many tasks and are controlled remotely or launched to perform pre-programmed tasks. There deployment is often by stealth and there presence is often oblivious to there objects of scrutiny! So keep your "backyard" tidy at all times...

**THIS WEEK'S PROGRAM**

6:00 pm for 6:30

**"Water Safety Vietnam"**

Charles Lyne & Robyn Lain  
Chairman: Eric Neill

**MILESTONES**



ROTARY ANNIVERSARY:  
Nil



WEDDING ANNIVERSARY:  
Colin & Linda Price—21 February 1959



BIRTHDAYS:  
Jeanette Magor — 21 February  
Beverley Hanlon— 22 February

## LAST WEEK'S PROGRAM

**Chairman:** Rod Puls  
**Apologies:** Michael Shanks, Con Demopoulos, Tony Spring, Charles Mallia.  
**Leave of Absence:** Bob Edgar

### **President Don:**

A letter has been received from our absent Member, Bob Edgar, stating that he is offering to make a presentation of the many Tongan projects, that he has driven, at the Sydney RI Convention. Bob sends his best wishes to our Club Members.

### **Secretary Mark:**

- ✓ We have received an invitation to attend the Frankston War Memorial Forum/Project on 7<sup>th</sup> March to commemorate the relocation of the War Memorial.
- ✓ We have received copies of the ANZO Rotary Club Directory. Any one contemplating domestic or overseas travel and who may want to do a makeup at a nearby Club can buy a copy for \$2:50.
- ✓ David Cahill and Don MacDonald will represent the Club at the Foundation Grants Seminar at Berwick on 28th February at 6:30 pm. Any others wishing to attend are welcome.
- ✓ DG Tim Moore is encouraging Clubs to apply for a RI Presidential Citation. We would appear to have met the criteria and will look at applying.
- ✓ The Finance Committee Government Report states that any proceeds our Club makes from the Community Raffle can be deposited in the Club Administration Account for use on the running of the Club. Therefore there will be an push for Club Members to sell more tickets than ever before to keep our Membership Dues as low as possible.

### **Treasurer Russell:**

Russell reminds Club Members that some half yearly dues are now severely overdue.

### **Announcements:**

#### **Geoff Magor:**

We received the permit for this year's Community Raffle from the Victorian Gaming Commission. The tickets are almost ready and 320 letters to various community organisations, inviting them to participate, have been sent out. If there are any other organisations that Members feel could benefit from the Raffle, it is not too late to include them in the mail out.

#### **John Tame:**

We are involved in the Pines Pride Festival on Sunday 16<sup>th</sup> March, which is the same weekend as the District Conference. We will be involved on the Saturday to mark out the stalls for exhibitors and on Sunday we will be running a Sausage Sizzle, erecting gazebos for the committee and controlling the traffic around the event. Those of us not attending the Conference are expected to help out with this work. We will need 3 people on the Saturday and 15 on the Sunday.

#### **Eric Neill:**

- ✓ Club Business Cards are available to Members who have a need for them.
- ✓ Planning for the second Community Engagement Event has begun and will be carried out in the May-June timeframe.
- ✓ A Rotary Information booth will be set up at the Pines Pride Festival.

SERGEANT CON'S **Fact of the Week:**

Nothing factual happened last week

- ✓ The Annual Club Bowls Night will be held at the Seaford Bowling Club on Wednesday, 12<sup>th</sup> March.

**Maureen Gillham:**

We have been providing, on an ongoing basis, knitted Trauma Teddies for children in hospitals. These have been very beneficial in the healing process of children and they take them home when they leave hospital, so more are always needed. There is a pattern on the Club website and knitters are asked to knit up these simple, easy-to-make items that are so valuable to comfort sick children.

**Judi McKee:**

We are in the early stages of arranging a Long Lunch at David Loudon's home. Watch this space for more information.

**Guest Speaker: Greg Tyrrell “Unmanned Aerial Systems (UAS)”**

Greg joined Unmanned Aerial System (UAS) development company Aerosonde as a Meteorologist in 1995 after graduating from Monash University with a Master of Science degree. He served as R&D Manager, Operations Manager, Chief Pilot and finally CEO.

He was a pioneer in the evolution of small UAS’s and spent 15 years performing services in remote locations throughout the world. His customers include the Australian Army, Defence Science and Technology Organisation, NASA, National Science Foundation, Australian Bureau of Meteorology, Australian Customs, US and Asian meteorological agencies. Greg currently works as a consultant to Aerosonde and other UAS companies.



A UAS comprises of an unmanned air vehicle -that includes avionics, GPS navigation, fixed wing or rotary, various payloads and applications– a ground control station, radio or satellite communications and launch & recovery systems. Instead of being driven through a joystick or pedals, UAS’s are driven with a computer mouse.

Examples of various UAS’s are:



**Large Military UAS –Predator**, used by US Air Force, US Customs for Surveillance and Intelligence, deploying ordinance. Powered by a Honeywell turboprop engine developing 950 horsepower, it has an altitude of 50,000 feet, has a range of 3200 miles, can cruise at 117 knots and has 24 hours endurance. It weighs 1000kg and can cost between \$20m and \$100m It weighs 1000kg and can cost between \$20m and \$100m depending on the sophistication of the payload and electronics fitted.

**NEXT WEEK**

**6:00 for 6:30**  
**26 February 2014**  
**Club Assembly**

**KEY DATES**

28 Feb - Foundation Grants Seminar-Berwick  
 23 Feb - Rotary’s Birthday-109 years  
 14-16 Mar - District Conference Bendigo  
 16 Feb - Pines Pride Festival

Australians all let us rejoice  
 For we are young and free  
 We've golden soil and wealth for toil,  
 Our home is girt by sea:  
 Our land abounds in nature's gifts  
 Of beauty rich and rare,  
 In history's page let every stage  
 Advance Australia fair,  
 In joyful strains then let us sing  
 Advance Australia fair.

**THE INVOCATION**  
 “For good food, good fellowship and the opportunity to serve through Rotary, we give thanks”

**THE LOYAL TOAST**  
 “To The Queen, and the People of Australia”



**Medium Military UAS –Shadow 200**, used by US Army, Australian Army for Surveillance and Intelligence, target acquisition and laser designation for illuminating targets, radio relay. Powered by a rotary engine developing 38 hp, it has an altitude of 15,000 feet, has a range of 60 miles, can cruise at 70 knots and has 9 hours endurance. It weighs 170kg and can cost between \$10m and \$15m. This is one of the older UAS's and is slowly being replaced by higher performance and cheaper units.



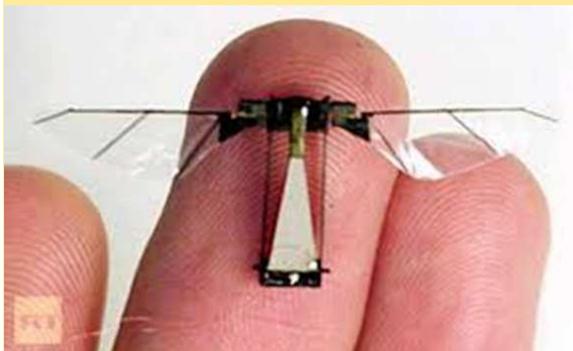
**Small UAS –Aerosonde**, used by US Army, Australian Army for Surveillance and Intelligence, environmental research such as flying into hurricanes, military science. Powered by a small engine developing 1 hp, it has an altitude of 15,000 feet, has a range of 100 miles, can cruise at 60 knots and has 30 hours endurance. It weighs 25kg and can cost between \$1m and \$4m.



**Small UAS –Scan Eagle**, used by US Navy, US Special Operations Command (SOCOM) for Surveillance and Intelligence, environmental, military science. Powered by a small engine developing 1 hp, it has an altitude of 15,000 feet, has a range of 1000 miles, can cruise at 60 knots and has 20 hours endurance. It weighs 18kg and can cost between \$1m and \$4m. It is similar in specifications to the Aerosonde but is suitable for use at sea because it can be retrieved by driving it at slow speed into a cable suspended on a ship.



**Small UAS –Raven**, used by US Army, US Marine Corps SOCOM, Australian Defence Force for Surveillance and Intelligence, recon. Powered by a small electric engine, it has an altitude of 2,000 feet, has a range of 10 miles, can cruise at 30 knots and has 1 hours endurance. It weighs 2kg and can cost between \$0.5m and \$2m. This is a small hand launched UAS can be carried close to its required location in a backpack and can be safely crash landed.



**.....And The Future??**

Prototypes of tiny UAV's, about the size of a fly, are already being made.

**True Story:**

We had a power outage at my place this morning and my PC, Laptop, TV, DVD, iPad and surround sound music system were all shut down. Then I discovered my iPhone battery was flat and it was raining outside so I couldn't play golf. I went into the kitchen to make coffee but remembered that also needs power so I sat down and talked to my wife for a few hours. She seems like a nice person!